

Page 1, third full paragraph:

C2 In the PHS, it is possible to use the same slave telephone set (terminal) for communication both indoors (i.e., in home or in office) and outdoors. Indoors, the slave telephone set can be connected to the public telephone network by its master telephone set. Outdoors, it can be connected to the public telephone network via a base station installed by a dealer. In the PHS, it is also possible that slave telephone sets be used for communication between them just like transceivers without agency of any base station.

Page 1, paragraph bridging pages 1 and 2:

C3 It is prescribed as standard to register ID codes for identifying units in both the master and slave telephone sets in the radio communication system. In the manufacture of the master and slave telephone sets, unit IDs are each registered in each of the master and slave units. Unit IDs preliminarily registered in slave units are registered in master units by registering operation, and unit IDs preliminarily registered in the master telephone sets are registered in the slave units. Unless unit IDs are identical, it is impossible to start radio communication.

Page 3, second full paragraph:

C4 When the master receives the line connection request and the unit ID, it checks whether the received unit ID is of its own slave telephone set. If the two unit IDs are identical, the master

C4 telephone set finds a vacant communication channel, and assigns the found vacant communication channel n to the slave telephone set.

Page 5, second full paragraph:

C5 The present invention was made in order to solve the above problems, and its object is to provide a radio telephone system, in which one slave telephone set can simultaneously use two or more channels for radio communication.

Page 6, second full paragraph:

C6 According to another aspect of the present invention, there is provided a radio telephone system, in which a plurality of slave telephone sets is connected to a public telephone network through radio communication with a master telephone set, wherein: a plurality of unit IDs is preliminarily registered in each of the slave telephone sets, and the plurality of unit IDs is also registered in the master telephone set and whenever each slave telephone set makes radio communication with the master telephone set, a unit ID corresponding to the radio communication is selected.

Page 6, paragraph bridging pages 6 and 7:

C7
According to another aspect of the present invention, there is provided a radio telephone system, in which a plurality of slave telephone sets is connected to a public telephone network through radio communication with a master telephone set and a plurality of unit IDs is preliminarily registered in each of the slave telephone sets, and the plurality of unit IDs is also registered in the master telephone set, the system including steps of: in response to hooked off of a first telephone set call to the opposite side, transmitting a line connection request signal and selected unit ID among the preliminarily registered unit IDs on a control channel to the master telephone set; in response to receipt of the line connection request and the unit ID, checking whether the received unit ID is of its own slave telephone set by the master telephone set; if the unit IDs is identical, finding a vacant communication channel and assigning this vacant communication channel to the slave telephone set; in response to the assignment of communication channel, checking whether that communication channel is vacant and, if it is vacant, transmitting a confirmation signal by the slave telephone set; and in response to receipt of the confirmation signal from the slave unit, executing operation of line connection to the public telephone network by the master telephone set;

Page 8, paragraph bridging pages 8 and 9:

C8
According to a further aspect of the present invention, there is provided a radio telephone system, in which a plurality of slave telephone sets is connected to a public telephone network

C8 through radio communication with a master telephone set and a plurality of unit IDs is preliminarily registered in each of the slave telephone sets, and the plurality of unit IDs is also registered in a plurality of master telephone sets, the system including steps of: responsive to arrival of a telephone call, informing the call arrival to the slave telephone set and transmitting its unit ID by the master telephone set; checking whether the two unit IDs are identical and selecting one of the plurality of unit IDs registered if they are identical and transmitting the selected unit ID to the master telephone set by the slave telephone set; finding a vacant communication channel for communication and informing the found communication channel to the slave telephone set by the master telephone set; checking whether the received communication channel is vacant and if it is vacant, transmitting a confirmation signal by the slave telephone set; and sending out via the communication channel an instruction to ring the bell to the slave telephone set when state ready for communication is brought about.

Page 10, paragraph bridging pages 10 and 11:

C9 A communication channel control unit 3 has a unit ID selecting function of flexibly selecting, whenever the radio communication is performed, the unit ID corresponding to the radio communication among a plurality of unit IDs preliminarily registered in an ID register unit 5. A total control unit 4 controls whole radio communication controls of all slave units. In the ID register unit 5, a plurality of unit IDs preliminarily registered at the time of the manufacture of the slave controls the radio communication control and line communication control. In the ID

C9 register unit 15, a plurality of unit IDs preliminarily registered at the time of the manufacture of the slave unit are registered. The unit ID of the master telephone set is also registered in the ID register unit 5 by the registering operation. The line control unit 16 controls the public telephone network.

Page 13, paragraph bridging pages 13 and 14

C10 When the master and slave telephone sets are not in communication, they are in a stand-by state. When the telephone set A connected to the master unit is hooked off to make (or transmit) a telephone call to the opposite side, a line connection request is transmitted on the control channel to the master set. At this time, a unit ID (XX) which is flexibly selected by the communication channel control unit 3 among the unit IDs (XX, YY) registered in the ID register portion 5, is also transmitted.

Page 18, first full paragraph:

C11 Furthermore, since radio communication is controlled not for each slave set but for each radio communication (or communication channel) with unit IDs, by adapting each slave telephone set to be able to utilize both analog radio communication and digital radio communication, it is possible to permit selective use of the analog radio communication and the digital radio communication for each radio communication.